

Metal Shield High Pass Filter

RHP-180+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	89.63	96.97	97.47	0.011	0.011	0.016	0.002	0.004	0.004
1	91.50	96.89	97.04	0.010	0.010	0.015	0.002	0.003	0.004
10	97.93	92.10	95.88	0.004	0.005	0.005	0.003	0.005	0.005
30	94.81	89.50	98.53	0.009	0.011	0.013	0.003	0.012	0.019
50	86.38	86.32	83.88	0.02	0.03	0.04	0.01	0.03	0.05
135	27.52	27.41	27.26	0.30	0.36	0.41	0.30	0.38	0.43
146	20.81	20.71	20.56	0.46	0.54	0.60	0.48	0.59	0.66
180	2.71	2.84	2.89	7.35	7.82	8.29	7.93	8.57	9.22
216	0.74	0.87	0.96	17.42	17.32	17.16	17.37	17.28	17.12
300	0.37	0.46	0.53	20.81	20.27	19.79	20.75	20.28	19.83
500	0.18	0.27	0.33	32.62	34.05	35.25	28.91	28.95	28.86
1000	0.13	0.29	0.39	25.53	21.82	19.63	25.23	21.69	19.55
1500	0.16	0.37	0.52	20.92	18.36	16.63	21.14	18.81	17.05
2000	0.21	0.46	0.62	17.89	16.77	15.89	18.06	17.19	16.32
2200	0.24	0.50	0.66	17.52	16.76	16.02	17.55	17.10	16.36
2400	0.23	0.52	0.69	17.99	16.99	16.52	18.11	17.21	16.68
2500	0.24	0.53	0.71	17.97	17.13	16.84	17.97	17.32	16.95
2700	0.26	0.56	0.75	18.16	17.57	17.66	18.27	17.68	17.64
2800	0.27	0.58	0.77	17.62	17.74	18.23	17.50	17.83	18.22
3000	0.28	0.60	0.80	17.75	18.16	18.96	17.60	18.06	18.64
3200	0.29	0.64	0.85	18.49	18.62	19.50	18.10	18.34	19.07
3400	0.31	0.68	0.91	18.31	18.75	19.87	18.00	18.45	19.42
3500	0.34	0.70	0.93	17.25	18.69	20.51	16.87	18.35	20.00
3700	0.39	0.77	1.02	17.15	18.38	19.90	16.93	18.19	19.62
3800	0.46	0.86	1.13	16.74	18.02	19.16	16.83	18.19	19.39
4000	1.26	1.66	1.94	16.54	17.96	19.26	17.23	19.30	20.70
4200	0.52	0.95	1.25	17.17	18.32	19.07	16.67	17.98	18.89
4400	0.51	0.95	1.29	17.06	17.66	17.80	16.65	17.41	17.67
4500	0.49	0.97	1.32	17.15	17.44	17.50	16.70	17.24	17.52
4700	0.53	1.02	1.43	17.60	17.42	17.15	17.34	17.16	16.91
4800	0.53	1.07	1.48	17.72	17.40	16.86	17.53	17.11	16.91
5000	0.60	1.14	1.58	18.83	17.84	16.98	18.57	17.35	16.75
5200	0.85	1.45	1.92	20.82	19.84	18.73	18.35	17.61	16.27
5400	1.16	1.77	2.23	16.82	15.95	15.04	15.69	15.23	14.32
5500	0.90	1.56	2.03	16.54	15.92	14.80	16.43	15.49	14.79
5700	0.97	1.59	2.13	15.97	15.31	14.68	16.94	16.10	15.49
5800	1.10	1.73	2.27	14.74	14.86	14.37	15.80	16.25	16.17
6000	2.07	2.71	3.27	11.66	12.09	11.85	13.67	15.09	15.90
6200	4.51	5.00	5.37	9.80	9.89	10.27	12.77	13.42	13.84
6400	1.77	2.62	3.19	14.33	14.25	14.97	16.31	15.09	15.02
6500	1.36	2.19	2.88	16.83	16.00	17.28	17.74	15.61	15.40
6700	1.13	2.01	2.87	20.09	19.75	22.92	18.32	16.46	15.48
6800	1.11	2.06	2.99	19.20	21.04	26.27	16.61	15.96	14.65
7000	1.24	2.23	3.44	18.32	20.63	27.74	14.57	14.65	12.98
7200	1.49	2.61	4.18	16.28	17.82	23.15	12.29	12.41	10.86
7400	2.00	3.30	5.35	13.06	14.47	21.96	9.44	9.81	8.80
7500	2.43	3.82	5.90	11.80	13.15	23.88	8.26	8.73	8.06
7700	3.67	5.33	6.70	9.26	11.42	22.33	6.17	6.94	7.66
7800	4.67	6.49	7.59	8.49	11.12	18.84	5.56	6.37	6.91
8000	8.82	11.11	12.41	8.84	12.88	18.27	4.99	5.77	6.85
8200	12.69	14.55	14.09	10.82	14.79	13.40	8.05	7.95	8.70
8400	16.82	13.89	12.06	14.12	10.76	9.70	6.38	9.25	10.38
8500	14.33	9.35	8.93	9.58	10.46	10.67	8.55	13.38	15.25

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
300	2.64	2.63	2.62
350	1.88	1.87	1.86
400	1.46	1.45	1.45
500	1.03	1.02	1.02
600	0.81	0.80	0.80
700	0.68	0.67	0.67
800	0.60	0.59	0.58
900	0.54	0.53	0.53
1000	0.50	0.49	0.49
1100	0.48	0.46	0.46
1200	0.45	0.44	0.44
1400	0.42	0.41	0.41
1500	0.41	0.40	0.40
1600	0.41	0.39	0.39
1700	0.40	0.39	0.38
1800	0.39	0.38	0.38
2000	0.38	0.37	0.37
2100	0.38	0.37	0.37
2200	0.38	0.37	0.36
2300	0.37	0.36	0.36
2400	0.37	0.36	0.36
2500	0.37	0.36	0.36
2600	0.37	0.36	0.36
2700	0.37	0.36	0.36
2800	0.37	0.36	0.36
3000	0.37	0.36	0.36
3100	0.37	0.36	0.35
3200	0.37	0.36	0.36
3300	0.37	0.36	0.36
3400	0.37	0.36	0.35
3500	0.37	0.36	0.36
3600	0.37	0.36	0.36
3700	0.37	0.37	0.36
3800	0.38	0.37	0.37
4000	0.24	0.23	0.23
4100	0.36	0.36	0.36
4200	0.39	0.38	0.37
4300	0.38	0.37	0.37
4400	0.37	0.36	0.36
4500	0.37	0.36	0.36
4600	0.37	0.36	0.36
4700	0.37	0.36	0.36
4800	0.38	0.36	0.37
5000	0.39	0.37	0.37
5100	0.40	0.38	0.38
5200	0.39	0.38	0.38
5300	0.29	0.28	0.28
5400	0.34	0.34	0.33
5500	0.41	0.39	0.39
5600	0.41	0.40	0.39
5700	0.41	0.40	0.40
5800	0.43	0.42	0.42
6000	0.41	0.42	0.41
6100	0.21	0.20	0.18

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